

SYSTEM AND METHOD FOR EFFICIENT
ANALYSIS OF TRANSMISSION LINES

ABSTRACT OF THE DISCLOSURE

5 A system and method for analyzing a circuit with
transmission lines includes determining which sources
influence each of a plurality of transmission lines, based
on coupling factors. Transmission line parameters are
computed based on the sources, which influence each
10 transmission line. A transient response or frequency
response is analyzed for each transmission line by
segmenting each line to perform an analysis on that line.
The step of analyzing is repeated using waveforms
determined in a previous iteration until convergence to a
15 resultant waveform has occurred.